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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. \_\_\_\_\_

First Inventor

Deepak J. Aswani

Title

Balanced Barrel-Cam I.C. Engine

Express Mail Label No.

ET 510224324 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 15]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 9]
5. Oath or Declaration [Total Sheets \_\_\_\_\_]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [Power of Attorney (when there is an assignee)]
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Art Unit: \_\_\_\_\_

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**
☐ Customer Number: \_\_\_\_\_ OR ☒ Correspondence address below

Name	Deepak J. Aswani		
Address	7122 Timber Ridge Trail		
City	Westland	State	MI
Country	USA	Zip Code	48185-7666
Telephone	734 502-1579	Fax	

Name (Print/Type)	Deepak J. Aswani	Registration No. (Attorney/Agent)	
Signature	Deepak J. Aswani	Date	10-25-2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



16569 U.S. PTO  
110103

PTO/SB/17 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 555

## Complete if Known

Application Number	60/479,262 (provisional)
Filing Date	06-18-2003
First Named Inventor	Deepak J. Aswani
Examiner Name	—
Art Unit	—
Attorney Docket No.	—

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number  
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	375
1002 330	2002 165	Design filing fee	—
1003 520	2003 260	Plant filing fee	—
1004 750	2004 375	Reissue filing fee	—
1005 160	2005 80	Provisional filing fee	—
SUBTOTAL (1)			(\$ 375

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	2 - 20** = 0	9	—
Multiple Dependent	2 - 3** = 0	42	—

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ —

\*\*or number previously paid, if greater. For Reissues, see above.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	—
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	—
1053 130	1053 130	Non-English specification	—
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	—
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	—
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	—
1251 110	2251 55	Extension for reply within first month	—
1252 410	2252 205	Extension for reply within second month	—
1253 930	2253 465	Extension for reply within third month	—
1254 1,450	2254 725	Extension for reply within fourth month	—
1255 1,970	2255 985	Extension for reply within fifth month	—
1401 320	2401 160	Notice of Appeal	—
1402 320	2402 160	Filing a brief in support of an appeal	—
1403 280	2403 140	Request for oral hearing	—
1451 1,510	1451 1,510	Petition to institute a public use proceeding	—
1452 110	2452 55	Petition to revive - unavoidable	—
1453 1,300	2453 650	Petition to revive - unintentional	—
1501 1,300	2501 650	Utility issue fee (or reissue)	—
1502 470	2502 235	Design issue fee	—
1503 630	2503 315	Plant issue fee	—
1460 130	1460 130	Petitions to the Commissioner	—
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	—
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	—
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.128(a))	—
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.128(b))	—
1801 750	2801 375	Request for Continued Examination (RCE)	—
1802 900	1802 900	Request for expedited examination of a design application	—

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Deepak J. Aswani	Registration No. (Attorney/Agent)	—	Telephone	734 502-1579
Signature	Deepak J. Aswani	Date	10-25-2003		

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office.

**In the United States Patent and Trademark Office**

Serial Number: \_\_\_\_\_  
Application Filed: \_\_\_\_\_  
Applicant(s): \_\_\_\_\_  
Application Title: \_\_\_\_\_  
Examiner/GAU: \_\_\_\_\_

Mailed: \_\_\_\_\_  
At: \_\_\_\_\_

**Request Under MPEP 707.07 (j)**

Commissioner for Patents  
Washington, D.C. 20231

Sir/Madam:

The undersigned, pro se applicant, respectfully requests that if the Examiner finds patentable subject matter disclosed in this application, but feels that Applicant's present claims are not entirely suitable, the Examiner draft one or more allowable claims for applicant.

Very respectfully,

Deepak J. Aswani                      10-25-2003  
Signature of Inventor                      Date

Deepak J. Aswani  
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